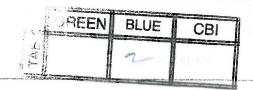
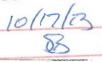


⊕EPA	United States Environment Washington, Injection Well Mor	DC 20460	
Year 2013	Month	Month	Month
Injection Pressure (PSI)	July	August	September
1. Minimum	948	817	575.02
2. Average	1547.00	1473.35	1088.36
3. Maximum	1657.78	1691.44	1682.52
Injection Rate (Gal/Min)	July	August	September
1. Minimum	0	0	0.00
2. Average	406.41	388.04	272.68
3. Maximum	419.67	425.22	413.85
Annular Pressure (PSI)	July	August	September
1. Minimum	-1.25	-0.56	-0.01
2. Average	-0.24	0.21	1.04
3. Maximum	0.16	1.33	3.24
njection Volume (Gal)	July	August	September
1. Monthly Total	23,330,850	18,554,460	10,449,580
2. Yearly Cumulative	51,920,070	70,474,530	80,924,110
Temperature (F °)	July	August	September
1. Minimum	N/A	N/A	N/A
2. Average	N/A	N/A	N/A
3. Maximum	N/A	N/A	N/A
рН	July	August	September
1. Minimum	N/A	N/A N/A	N/A
2. Average	N/A	N/A	N/A
3. Maximum	.N/A	N/A	N/A
Other			
			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
•			
ame and Address of Permittee East Cherry Creek Water & Sanitation Distric			Permit Number .CO12143-08425
ame and Official Title (Please type or print) Scott Niebur	Signature	EN.A	Date Signed

EPA Form 7520-8 (Rev. 12-11)



U2 Entered





Analytical Results

TASK NO: 130717072

Report To: Clint Carter

Company: East Cherry Creek Valley Water & San. District

6201 S. Gun Club Road Aurora CO 80016

Bill To: Clint Carter

Company: East Cherry Creek Valley Water & Sar

6201 S. Gun Club Road Aurora CO 80016

Task No.: 130717072

Client PO:

Client Project: Deep Well Samples

Date Received: 7/17/13 Date Reported: 8/5/13

Matrix: Wastewater

Customer Sample ID Deep Well Samples

Sample Date/Time: 7/17/13

Lab Number: 130717072-01

Test	Result	Method	Detection Limit	Date Analyzed	Analyzed By
Bicarbonate	2627.9 mg/L	SM 2320-B	0.1	7/22/13	ICP
Calcium as CaCO3	3201.2 mg/L	SM 3111-B	0.1	7/22/13	TES
Carbonate	< 0.1 mg/L	SM 2320-B	0.1	7/22/13	ICP
Langelier Index	2.00 units	SM 2330-B		7/23/13	SAN
PH	7.07 units	SM 4500-H-B	0.01	7/17/13	TES
Temperature	20 °C	SM 4500-H-B	1	7/17/13	TES
Total Alkalinity	2154.0 mg/L as CaCO3	SM 2320-B	0.1	7/22/13	ICP
Total Dissolved Solids	9429 mg/L	SM 2540-C	5	7/23/13	ISG

Abbreviations/ References:

mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls Date Analyzed = Date Test Completed

SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995 EPA = "Methods of Chemical Analysis of Water and Wastes"; USEPA; EPA-600/4-79-020 Rev 3/83

DATA APPROVED FOR RELEASE BY

Page 1 of 1

240 South Main Street / Brighton, CO 80601-0507 / 303-659-2313 Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507 / Fax: 303-659-2315

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Page

Chain of Custody Form

Project Name

Bill To Information (If different from report to)

Report To Information

City Au Phone: 3 Email:	Name: C1 6201 Cera State -901-768	Deccu. Org	Email: PO No.:					Task Number (Lab Use Only) # 1307 7072 Sample Disp. Date(LabUse Only)						240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr., Suite 100. Lakewood CO 80228 Phone: 303-659-2313 Fax: 303-659-2315 www.coloradolab.com						
		Sample Matrix (Select Or	ne Only)		*****	\$	T	T			7	3	`		J	T	T	1	T	
Waste Water Soil Sound Water Sludge Surface Water Compost			Plant Tissue Other		No. of Containers	Grab or (Check One Only) Composite	705	73.5	Conductionty	H-1	12Citic from 1	Yak M. F. K	alfa he	hloride	Magnesiam	odium	a c'um	Lines .	Fros Alphy	moss Deta
Date	Time	· · · · · · · · · · · · · · · · · · ·	iple ID			X	1	×	S ×			10:	V.	19		S	护	-	\cong	2 x
Instructio	2:15	Deep Well Samp	les	C/S Info:	3		×.			* 7		eals Pro	- Z	X Yes D	No J					
Relinquished: Date/Time: Received			By: Date/Tim	Deliver Via: 4 e: Rel	Deliver Via: + CMM Relinquished By:			C/S Charge Temp. Date/Time: Rece					Date/I							



Analytical Results

TASK NO: 130717072

Report To: Clint Carter

Company: East Cherry Creek Valley Water & San. District

6201 S. Gun Club Road Aurora CO 80016

Bill To: Clint Carter

Company: East Cherry Creek Valley Water & Sar

6201 S. Gun Club Road Aurora CO 80016

Task No.: 130717072

Client PO:

Client Project: Deep Well Samples

Date Received: 7/17/13

Date Reported: 8/5/13

Matrix: Wastewater

Customer Sample ID Deep Well Samples

Sample Date/Time: 7/17/13

Lab Number: 130717072-01

Test	Result	Method	rar	Date Analyzed	Analyzed By
Chloride	2310.00 mg/L	EPA 300.0	0.01	7/17/13	LJG
litrate Nitrogen	17.46 mg/L	EPA 300.0	0.02	7/17/13	LJG
Nitrite Nitrogen	< 0.01 mg/L	EPA 300.0	0.01	7/17/13	LJG
Specific Conductance	12060 umhos/cm @ 25c	EPA 120.1	5	7/17/13	TES
Specific Gravity	1.005 g/ml	SM 2710 F	0.001	7/17/13	TES
Sulfate	2531.75 mg/L	EPA 300.0	0.01	7/17/13	LJG
Total Suspended Solids	< 5 mg/L	SM 2540-D	5	7/18/13	VDB
<u>Total</u>					
Calcium	1282.0 mg/L	SM 3111-B	0.1	7/22/13	TES
Iron	0.027 mg/L	SM 3111-B	0.005	7/22/13	TES
Magnesium	496.6 mg/L	SM 3111-B	0.05	7/22/13	TES
Sodium	1365.0 mg/L	SM 3111-B	0.1	7/22/13	TES

Abbreviations/ References:

LQL = Lower Quantification Limit mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB

mpn/100 mls = Most Probable Number Index/ 100 mls

Date Analyzed = Date Test Completed

SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995 EPA = "Methods of Chemical Analysis of Water and Wastes"; USEPA; EPA-600/4-79-020 Rev 3/83 DATA APPROVED FOR RELEASE BY

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Chain of Custody Form

Project Name

Bill To Information (If different from report to)

Report To Information

Company Name: ECC V Contact Name: Clint Carter Address: 6201 S Gm Club RD City Aurora State @ Zip 80016 Phone: 3-901-7681 Fax: Email: Ccarter@cccv. Og Sampler Name: Clint			City State Zip Phone: Fax:					Deep well Sample Task Number (Lab Use Only) # 1307 7072 Sample Disp. Date(LabUse Only)						240 South Main Street Brighton, CO 80601						1004				
Waste	Water [7]	Sample		(Select On		lant Tissue	—		<u> </u>	(f.,)					*	180		T	7		T			7
Groun Surface	d Water e Water	Slı	idge mpost			iant lissue Other		No. of Containers	Grab or (Check One Only)	nposite	2	4	Canductionty		LZ crown	0.4ak/114.te	Salah	413+10le	Magnesia	A C'AM		1 -1	ss Beta	
Date	Time				ple ID			ž	Q P	ပြီ	705	73.5	3	型。	4	75.70	N	5	ر گا	श उ	£ 85		22027	
7(1)3	17/13 2:15 Deep Well Samples							3	X		×	×	×	* >	× ×	\	. >>		× 5	4×	*	X	*	
Instruction							C/S Info:		i a oh							ls Pres		-						
Relinquist	va: y	Date/Time	į	Received B	Oit	Date/Tip	ne: 13	Relingui	ished B	y:			c/S Charles Ch	arge 🗍 ime:	R	eceiv	рсло ed By	<u>e</u>	Sa	mple Pr	es. Yes Date/	s□ No Timer	Ø	

Helena, MT 877-472-0711 * Billings, MT 800-735-4489 * Casper, WY 888-235-0515
Gillette, WY 886-686-7175 * Rapid City, SD 888-672-1225 * College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

August 02, 2013

Colorado Analytical Laboratories Inc PO Drawer 507 Brighton, CO 80601

Workorder No.: C13070757

Project Name: 130717072-Deep Well Samples ECCV

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 7/19/2013

for analysis.

Sample ID Client Sample ID Collect Date Receive Date Matrix Test

C13070757-001 130717072-01B Deep Well Samples 07/17/13 14:15 07/19/13 Waste Water Gross Alpha, Gross Beta

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Digitally signed by

Sheri M. Mead

Date: 2013.08.02 17:30:39 -06:00

Helena, MY 877-472-0711 * Billings, MY 808-735-4489 * Casper, WY 888-235-0515 Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Project: Colorado Analytical Laboratories Inc 130717072-Deep Well Samples ECCV

Lab ID:

C13070757-001

Client Sample ID 130717072-01B Deep Well Samples

Report Date: 08/02/13

Collection Date: 07/17/13 14:15 DateReceived: 07/19/13

Matrix: Waste Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Gross Alpha	95.3	pCi/L				E900.0	07/31/13 07:51 / lbb
Gross Alpha precision (±)	30.1	pCi/L				E900.0	07/31/13 07:51 / lbb
Gross Alpha MDC	44.1	pCi/L				E900.0	07/31/13 07:51 / lbb
Gross Beta	23.8	pCi/L	U			E900.0	07/31/13 07:51 / lbb
Gross Beta precision (±)	27.9	pCi/L				E900.0	07/31/13 07:51 / lbb
Gross Beta MDC	46.0	pCi/L				E900.0	07/31/13 07:51 / lbb

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc Project: 130717072-Deep Well Samples ECCV

Report Date: 08/02/13 **Work Order:** C13070757

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0		***************************************		· · · · · · · · · · · · · · · · · · ·		<u> </u>		······································	Batch: G	rAB-158
Sample ID: Th230-GrAB-1587	Lal	oratory Con	trol Sample			Run: G5000	W_130726B		07/30	/13 18:46
Gross Alpha		111	pCi/L		106	80	120		07700	,,0 .0.10
Sample ID: Sr90-GrAB-1587	Lat	oratory Con	trol Sample			Run: G5000	W_130726B		07/30	/13 18:46
Gross Beta		172	pCi/L		96	80	120		0.,20	
Sample ID: MB-GrAB-1587	6 Me	thod Blank				Bun: G5000	W_130726B		n 7/30	/13 18:46
Gross Alpha		-1	pCi/L			. turn 55000	**		07100	/10 10.40 U
Gross Alpha precision (±)		0.7	pCi/L							Ü
Gross Alpha MDC		1	pCi/L							
Gross Beta		-3	pCi/L							U
Gross Beta precision (±)		2	pCi/L							Ü
Gross Beta MDC		3	pCi/L							
Sample ID: C13070707-001ADUP	6 Sar	nple Duplica	te			Run: G5000	W 130726B		07/31	′13 07:51
Gross Alpha		4.07	pCi/L					0.3	81.2	10 07 .01
Gross Alpha precision (±)		1.49	pCi/L					0.0	01	
Gross Alpha MDC		2.17	pCi/L							
Gross Beta		3.57	pCi/L					18	111.5	
Gross Beta precision (±)		1.86	pCi/L					-		
Gross Beta MDC		3.01	pCi/L							
Sample ID: C13070744-001EMS	San	n ple Ma trix S	Spike			Run: G5000\	N 130726B		07/31	13 07:51
Gross Alpha		96.4	pCi/L		81	70	130		07/01/	10 07.01
Sample ID: C13070744-001EMSD	San	nple Matrix S	pike Duplicate			Run: G5000\	N 130726B		07/31/	13 07:51
Gross Alpha		92.6	pCi/L		77	70	130	4.0	16.5	10 01 201
Sample ID: C13070744-001EMS	San	nple Matrix S	pike			Run: G5000V	N 130726B		07/21/	13 07:51
Gross Beta		201	pCi/L		107	70	130		07/31/	10 07 31
ample ID: C13070744-001EMSD	San	nole Matrix S	pike Duplicate			Run: G5000V	M 130726B		07/04/	13 07:51
Gross Beta		202	pCi/L		107	70 70	130/200	0.3	13.8	13 07:51

Qualifiers:

Helena, MT 877-472-0711 * Billings, MT 800-735-4489 * Casper, WY 888-235-0515 Gilletta, WY 865-686-7175 * Rapid City, SD 888-672-1225 * College Station, TX 888-898-2218

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Colorado Analytical Laboratories Inc

C13070757

Login completed by:			Date	Received: 7/19/2013	
Reviewed by: BL200	00\kmiller		Re	eceived by: cav	
Reviewed Date: 7/22/2	2013			Carrier Ground name:	
Shipping container/cooler in good con	dition?	Yes 🗸	No 🗌	Not Present [
Custody seals intact on all shipping co	ontainer(s)/cooler(s)?	Yes	No 🔲	Not Present ☑	
Custody seals intact on all sample bot	tles?	Yes 🔲	No 🔲	Not Present ☑	
Chain of custody present?		Yes ☑	No 🗌	-	
Chain of custody signed when relinqui	ished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with sample I	abels?	Yes 🗹	No 🗌		
Samples in proper container/bottle?		Yes ☑	No 🗌		
Sample containers intact?		Yes ☑	No 🗌		
Sufficient sample volume for indicated	test?	Yes ☑	No 🔲		
All samples received within holding tim (Exclude analyses that are considered such as pH, DO, Res CI, Sulfite, Ferro	field parameters	Yes ☑	No 🗌		
Temp Blank received in all shipping co	ntainer(s)/cooler(s)?	Yes	No 🗹	Not Applicable	
Container/Temp Blank temperature:		10.8℃ On Ice		-	
Water - VOA vials have zero headspac	e?	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon receipt?	ON TO ANY TO BUT HE WE ARE AND AND THE ANY THE WAY TO SEE ANY THE WAY THE WAY THE WAY THE WAY THE WAY THE WAY THE	Yes []	No 🗹	Not Applicable	

Contact and Corrective Action Comments:

Samples for 130717072-01B Deep Well Samples were received at pH 7, 2 mLs HNO3 added to preserve to pH<2. PH was still 7 No additional preserve added due to matrix of sample. Per Deb

Chain of Custody Form

Report To Information	Bill To Information (If different from report to)	Project Name				
Company Name: Colorado Analytical	Company Name: Same As Report To	130717072				
Contact Name: Stuart Nielson	Contact Name:	Deep Well Samples Eccy				
Address:	Address:	777				
240 S. Main St.	rada 638.	Task Number (Lab Use Only)				
	**************************************	****				
City Brighton State CO Zip80601	City State Zip					
Phone:3036592313 Fax:3036592315	Phone: Fax:					
Email: stuartnielson@coloradolab.com	Email:	Disposal Date(Lab Use Only)				
Sample Collector: Clint	PO No.:					



Brighton Lab
240 South Main Street
Brighton, CO 80601
Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

C13070757

Groun	Water d Water e Water	J	Soil Sludge Compost		Plant Tissue Other		No. of Containers	Grab or (Check One Only) Composite	Gross Alpha/Beta	EPA 900					V.			
7/17/13	7/17/13 1415 130717072-01B Deep Well Samples								\boxtimes	ПП	HE	H	1-1-	171		H	1	同
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Relinquis	ned By:	Date	Timei3 R	eceived By:	Date/Tim	Deliver Via:		Shed By:	······		harge [] Time:	Temp.	°C/Ice		Sample Pr	a. Yes 🗍		Щ
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Earthquake Hazards Program

Due to a lapse in Federal funding, the USGS Earthquake Hazards Program has suspended most of its operations. While the USGS will continue to monitor and report on earthquake activity, the accuracy or timeliness of some earthquake information products, as well as the availability or functionality of some web pages, could be affected by our reduced level of operation.

